

## ABSTRACT OF THE DISCLOSURE

Various methods are disclosed relating to optical emanations from a light source or a first optical device that is intended to display a state of a serial data stream that crosses an interface that is associated with an information processing device. In one embodiment, the first optical device is modulated in a manner so as to not replicate the data signal being provided to and/or transmitted from the information processing device. In another embodiment, the optical emanations from the first optical device are monitored so as to be able to recover the data that is being transmitted to the information processing device in the form of a first data signal. In yet another embodiment, the cumulative optical output of a plurality of first optical devices associated with a plurality of information processing devices is monitored and evaluated in the form of a cumulative signal so as to decode each of the various individual data signals.